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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/687,533	10/16/2003	Georg Mayer	944-4.38	7746

7590   01/05/2006

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EXAMINER
NGUYEN, QUANG N

ART UNIT	PAPER NUMBER
2141	

DATE MAILED: 01/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	10/687,533	MAYER ET AL.
	Examiner	Art Unit
	Quang N. Nguyen	2141

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>25 November 2005</u>.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,3-6 and 8-11* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1,3-6 and 8-11* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *16 October 2003* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

Detailed Action

1.   A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/25/05 has been entered.

       Claims 1 and 6 have been amended. Claims 1, 3-6 and 8-11 remain for examination.

Claim Rejections - 35 USC § 103

2.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3.   **Claims 1, 3-6 and 8-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over G. Camarillo (RFC 3486 – Compressing the Session Initiation**

Protocol), in view of Bergenlid et al. (US 2003/0156578 A1), hereafter referred as Bergenlid.

4.   As to claims 1 and 4, Camarillo teaches a method by which a UE *(user equipment)* device begins compressing messages it transmits to an SIP outbound proxy server, comprising:

the UE device sends a request message to the SIP outbound proxy server *(the client sends an uncompressed OPTIONS request message to its outbound proxy server)*; (Camarillo, section 4.1, paragraph 4); and

the UE device analyzes a payload part of a compressed response message *(since the client supports "SigComp", the presence of comp=SigComp in a Via header field indicates that the response message has to be compressed using SigComp)* received from the SIP outbound proxy server in response to the request message to determine an allowed form of compression *(i.e., to determine a compression parameter)* for use in compressing messages it sends to the SIP outbound proxy server *(the outbound proxy server can provide an alternative SIP URI with the compression parameter "comp=sigcomp" in a Contact header field in a 200 OK response to the OPTIONS request message and the client can use this URI with the compression parameter "comp=sigcomp" for subsequent communications with this outbound proxy server using compression)* (Camarillo, section 2 and section 4.1, paragraph 4).

However, Camarillo but does not explicitly teach wherein the request message is a register message and wherein the response message is a 401 (unauthorized) message.

In a related art, Bergenlid teaches a system and method for packet-based conversation service for a multimedia session in a mobile communications system, wherein the Mobile Terminal (MT) <u>sends a SIP Register message</u> via the primary PDP context and corresponding bearers to the IP Multimedia System (IMS 36) and the IMS 36 <u>responds with a SIP 401 Unauthorized message</u>, if the user is not registered, the 401 message is sent to the user including a challenge (Bergenlid, paragraph [0048]).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the teachings of Camarillo and Bergenlid to include the request message is a register message, and the response message is a 401 (unauthorized) message since such methods were conventionally employed in the art to allow the system to detect, challenge and identify authorized/unauthorized subscribers (mobile terminals or users) before initiating a communications session.

5.   As to claim 3, Camarillo-Bergenlid teaches the method of claim 1, further comprising the UE device alters an address for the SIP outbound proxy server previously stored so as to include the stored address with the compression parameter *(i.e., adding/appending the compression parameter to the address such as sip:alice@Atlanta.com; comp=sigcomp)* (Camarillo, section 2).

6.   As to claim 5, Camarillo-Bergenlid teaches the method of claim 1, wherein the response message is any compressed message *(since the UAC supports "SigComp", which is contained in the "Via" header field, i.e., indicating the response has to be compressed using SigComp)* (Camarillo, section 2).

7.   Claims 6 and 8-10 are corresponding apparatus claims of method claims 1 and 3-5; therefore, they are rejected under the same rationale.

8.   Claim 11 is a corresponding program computer product claim of method claim 1; therefore, it is rejected under the same rationale.

Response to Arguments

9.   In the remarks, Applicant argued in substance that

        (A)   Prior Arts fail to teach or suggest, "the UE device examining a response to a request/register message sent to a SIP outbound proxy server in order to determine what compression technique supported by an SIP outbound proxy server", as recited in claim 1.

        As to point **(A)**, before addressing the argument, Examiner respectfully submits that the language of the limitation cited in the quotation "a register message" can be

given the broadest and reasonable interpretation in light of specification as <u>an</u>
<u>OPTIONS request used to query a SIP entity the options (SIP extensions) it supports</u>;
and the SIP entity responds to an OPTIONS request with a list of the options it supports
(as set out in RFC 3261).

Camarillo teaches a client sending an uncompressed OPTIONS request
message *(i.e., could be read as a REGISTER message)* to its outbound proxy, ***the***
outbound proxy server can provide an alternative SIP URI with ***the compression***
parameter "comp=sigcomp" in a Contact header field in a 200 OK response message
to the request message and the client can use this URI with the compression parameter
"comp=sigcomp" for subsequent communications with this outbound proxy server using
compression *(inherently, the client, i.e., the UE device, examines/recognizes the*
compression parameter "comp=sigcomp" in the Contact header filed of the 200 OK
response message to determine what compression technique supported by the
outbound proxy server, wherein the 200 OK response message is a compressed
response message since the presence of comp=sigcomp in a Via header filed indicates
that the response has to be compressed using SigComp as illustrated as the 200 OK
response message (6) in Example 9 of Camarillo) **(Camarillo, section 2, section 4.1).**

10.   Applicant's arguments as well as request for reconsideration filed on 11/25/2005
have been fully considered but they are not deemed to be persuasive.

11.   A shortened statutory period for reply to this action is set to expire THREE (3)

months from the mailing date of this communication. See 37 CFR 1.134.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Quang N. Nguyen whose telephone number is (571)

272-3886.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

SPE, Rupal Dharia, can be reached at (571) 272-3880. The fax phone number for the

organization is (571) 273-8300.

Information regarding the status of an application may be obtained from the

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

RUPAL DHARIA
SUPERVISORY PATENT EXAMINER